

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Work Order ID 149927

August 12, 2016 3:52:31 PM

149927

Page 2

Item ID: 647.3702 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: 412 Cable Cutter System, High
Start Date: 8/15/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 8/31/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00				DAS 27 9-89			
130	Memo	0.00			DAS 28 9-89				
Packaging	Identify and pack for shipping as per PPP 647.3702								
Packaging	Location: _____ sold								
140	QC21- Final Inspection - Work Order Release	0.00							
140						DAS 21 9-89			AUG 2 6 2016
QC	Memo	0.02							
Quality Control									

mf
16-8-26

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							

Picklist Print

August 12, 2016 3:52:37 PM

Page 1

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.26 NEW ISSUE DD VERF:JLM
REV:B 15.01.26 as per ecr 14-214 DD VERF:JLM
PER REV NC3 15.03.18 JLM VERIFIED BY:DD

IPP
IPP REV:C AS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

601.3082

Purchased

No

Each

0.0000

**

6

601 3082

RIVET

CR3212-43

647.3903

Manufactured

No

Each

3.0000

1

**

647 3903

Deflector Assembly

Location

Loc Qty

Loc Code

cck024

3

147126

3

647.3801

Manufactured

No

110

Each

2.0000

1

1

**

647 3801

412 Upper Cutter Assy

Location

Loc Qty

Loc Code

CCK028

2

124728

2

647.3804

Manufactured

No

110

Each

0.0000

1

1

**

647 3804

Lower Cutter Assy High

647.4410

Manufactured

No

110

Each

10.0000

1

1

**

647 4410

Rail

Location

Loc Qty

Loc Code

CCK081

10

120986

10

AUG 17 2016

Picklist Print

August 12, 2016 3:52:38 PM

Page 2

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

647.4010	Manufactured	No	110	Each	14.0000	1	1
----------	--------------	----	-----	------	---------	---	---

647 4010

Wiper Deflector RH

**

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

cck060

14

120740

14

647.4011	Manufactured	No	110	Each	12.0000	1	1
----------	--------------	----	-----	------	---------	---	---

647 4011

Wiper Deflector LH

**

PC DAS 28 9-89

Location

Loc Qty

Loc Code

cck060

12

120741

12

647.4110	Manufactured	No	110	Each	10.0000	1	1
----------	--------------	----	-----	------	---------	---	---

647 4110

Doubler

**

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK080

10

120987

10

647.4111	Manufactured	No	110	Each	11.0000	1	1
----------	--------------	----	-----	------	---------	---	---

647 4111

Doubler

**

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

cck111

11

120743

11

647.4112	Manufactured	No	110	Each	0.0000	1	1
----------	--------------	----	-----	------	--------	---	---

647 4112

Clip

**

PC DAS 28 9-89

DAS 27 9-89

647.4113	Manufactured	No	110	Each	0.0000	1	1
----------	--------------	----	-----	------	--------	---	---

647 4113

Clip

**

PC DAS 28 9-89

DAS 27 9-89

August 12, 2016 3:52:38 PM

Shop Packet Print

Page 2

AUG 17 2016

Picklist Print

August 12, 2016 3:52:38 PM

Page 3

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

647.4114

Manufactured No

110 Each

27.0000

2 2

647 4114

Shim

**

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK112

27

120746

27

2

647.4115

Manufactured No

110 Each

12.0000

2 2

647 4115

Shim

**

PC

DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK112

12

120747

12

2

647.4116

Manufactured No

110 Each

15.0000

1 1

647 4116

Shim

**

PC

DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK112

15

121064

15

1

647.4210

Manufactured No

110 Each

10.0000

1 1

647 4210

Bracket LH

**

PC

DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK112

10

120749

1

121086

9

1

AUG 17 2016

Picklist Print

August 12, 2016 3:52:38 PM

Page 4

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

647.4211

Manufactured No

110 Each

10.0000

1 1

647 4211

Bracket RH

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK112

10

121134

10

647.4311

Manufactured No

110 Each

0.0000

1 1

647 4311

RH Lower Strut

DAS
27
9-89

647.4310

Manufactured No

110 Each

13.0000

1 1

647 4310

LH Lower Strut

DAS
27
9-89

Location

Loc Qty

Loc Code

cck066

13

126395

13

647.4312

Manufactured No

110 Each

7.0000

1 1

647 4312

LH Upper Strut

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK67

7

147045

7

647.4313

Manufactured No

110 Each

7.0000

1 1

647 4313

RH Upper Strut

DAS
27
9-89

Location

Loc Qty

Loc Code

cck068

7

147046

7

AUG 17 2016

Picklist Print

August 12, 2016 3:52:38 PM

Page 5

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149FN832P

Purchased

No

110

Each

1,982.000

34

34

NAS1149FN832P

Washer

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

1705

M133316

16

M133769

89

M135058

1600

ST263

277

M134257

277

34

NAS1149F0332P

Purchased

No

110

Each

1,727.000

157

157

NAS1149F0332P

Washer

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

282

m133709

282

ST262

1445

m134257

37

m134676

19

m135058

1389

157

MS27039-1-07

Purchased

No

110

Each

330.0000

12

12

MS27039-1-07

Screw

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

270

125654

270

Return2016

1

m127813

1

ST281

59

m135015

59

12

AUG 17 2016

Picklist Print

August 12, 2016 3:52:38 PM

Page 6

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-10

Purchased

No

110

Each

72.0000

42

42

MS27039-1-10

SCREW

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

14

m129541

14

ST280

58

m134676

58

42

MS27039-08-08

Purchased

No

110

Each

386.0000

16

16

MS27039-08-08

Screw

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

8

m130113

8

over006

200

m130325

200

ST278

166

m130113

159

m134142

7

16

ST282

12

m129541

12

MS27039-1-09

Purchased

No

110

Each

253.0000

14

14

MS27039-1-09

Screw

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

34

18057

34

GA

36

124859

36

ST280

183

m135056

183

14

AUG 17 2016

August 12, 2016 3:52:38 PM

Shop Packet Print

Page 6

Picklist Print

August 12, 2016 3:52:38 PM

Page 7

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-11

Purchased

No

110

Each

315.0000

2

2

MS27039-08-11

SCREW

**

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST278

315

m133769

15

m134676

300

2

MS24694-S49

Purchased

No

110

Each

217.0000

1

1

MS24694-S49

Screw

**

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST284

217

m129499

100

m129702

117

1

MS24694-C53

Purchased

No

110

Each

40.0000

8

8

MS24694-C53

Screw

**

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST285

40

m129702

40

8

601.3073

Purchased

No

110

Each

2.0000

1

1

601 3073

Connector

**

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK099

2

M134739

2

1

AUG 17 2016

Picklist Print

August 12, 2016 3:52:38 PM

Page 8

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-4A

Purchased

No

110

Each

219.0000

3

3

AN3-4A

Bolt

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST350

219

m134955

219

3

AN3-11A

Purchased

No

110

Each

187.0000

8

8

AN3-11A

Bolt

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

100

m135390

100

ST349

87

m134852

87

8

AN3C10A

Purchased

No

110

Each

18.0000

2

2

AN3C10A

Bolt

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST349

18

m135056

18

2

CR3212-4-2

Purchased

No

110

Each

66.0000

6

6

CR3212-4-2

Cherry Rivet

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST320

66

M130388

66

6

AUG 17 2016

Picklist Print

August 12, 2016 3:52:38 PM

Page 9

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

CR3212-4-3

Purchased

No

110

Each

100.0000

17

CR3212-4-3

Cherry Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK05

100

m135408

100

**

17
x m 119017 PC

DAS
28
9-89

CR3212-4-4

CR3212-4-04

Purchased

No

110

Each

0.0000

4

CR3212-4-4

CHERRY RIVET

DAS
27
9-89

CCR264SS3-04

Purchased

No

110

Each

400.0000

12

CCR264SS3-04

Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK004

400

123785

400

**

4
x m 134943 PC

DAS
28
9-89

CCR264SS-3-03

Purchased

No

110

Each

274.0000

16

CCR264SS-3-03

Cherry Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

LG001

97

m128606

29

m134023

68

ST321

177

m135127

177

**

12
PC

DAS
28
9-89

12
16

PC DAS
28
9-89

16

AUG 17 2016

Picklist Print

August 12, 2016 3:52:38 PM

Page 10

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-2

Purchased

No

110

Each

192.0000

13

13

CR3213-4-2

Cherry Rivet

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

m134058

100

ST320

92

123301

92

13

CR3213-4-3

Purchased

No

110

Each

166.0000

32

32

CR3213-4-3

Rivet, Cherry

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

m135135

100

ST319

66

m131340

66

32

CR3213-4-4

Purchased

No

110

Each

160.0000

19

19

CR3213-4-4

Rivet, Cherry

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

M135408

100

ST319

60

M130388

35

M134962

25

19

AUG 17 2016

Picklist Print

August 12, 2016 3:52:38 PM

Page 11

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-5

Purchased

No

110

Each

325.0000

42

42

CR3213-4-5

Rivet

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

M129913

100

ST319

225

M129913

125

M134852

100

48

CR3213-4-8

Purchased

No

110

Each

88.0000

4

4

CR3213-4-8

Rivet

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST319

88

123785

88

MS21042-3

MS21042L3

Purchased

No

110

Each

0.0000

79

MS21042-3

Nut / use MS21042L3

79

m135056

DAS
28
9-89

DAS
27
9-89

MS21042-08

MS21042L08

Purchased

No

110

Each

33.0000

18

MS21042-08

USE MS21042L08

18

m135046

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

AUG 17 2016

August 12, 2016 3:52:38 PM

Shop Packet Print

Page 11

Picklist Print

August 12, 2016 3:52:38 PM

Page 12

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

MS21047L06

Purchased

No

110

Each

22.0000

6

6

R

DAS
28
9-89

MS21047L 06

Nut Plate

DAS
27
9-89

Location

Loc Qty

Loc Code

ST303

22

m131340

22

6

MS21047L08

Purchased

No

110

Each

15.0000

6

6

PC

DAS
28
9-89

MS21047L 08

Nut Plate

DAS
27
9-89

Location

Loc Qty

Loc Code

ST301

15

m129702

15

6

MS21047-3

Purchased

No

110

Each

157.0000

4

4

PC

DAS
28
9-89

MS21047-3

Nut Plate

DAS
27
9-89

Location

Loc Qty

Loc Code

ST301

157

m134955

57

m135297

100

4

MS21071L3

Purchased

No

110

Each

134.0000

4

4

PC

DAS
28
9-89

MS21071L 3

ANCHOR NUT

DAS
27
9-89

Location

Loc Qty

Loc Code

S299

100

125654

100

ST299

34

m129702

34

4

AUG 17 2016

August 12, 2016 3:52:38 PM

Shop Packet Print

Page 12

Picklist Print

August 12, 2016 3:52:38 PM

Page 13

Work Order ID: 149927

149927

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

601.3083 Manufactured No

110 Each 3.0000 1 1

601 3083

Adhesive Rubber Seal

DAS
27
9-89

Location

Loc Qty

Loc Code

cck009

3

m134349

3

601.1012 600.1012 Purchased No

110 Each 0.0000 1

601 1012

Sealant (One 6 oz)

08/01/2017

601.2045

Purchased No

110 Each 13.0000 1 1

601 2045

RTV (LOCTITE 598)McMaster p/n: 6641A41

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK096

5

m135138

5

GA

8

m134260

8

DAS
27
9-89

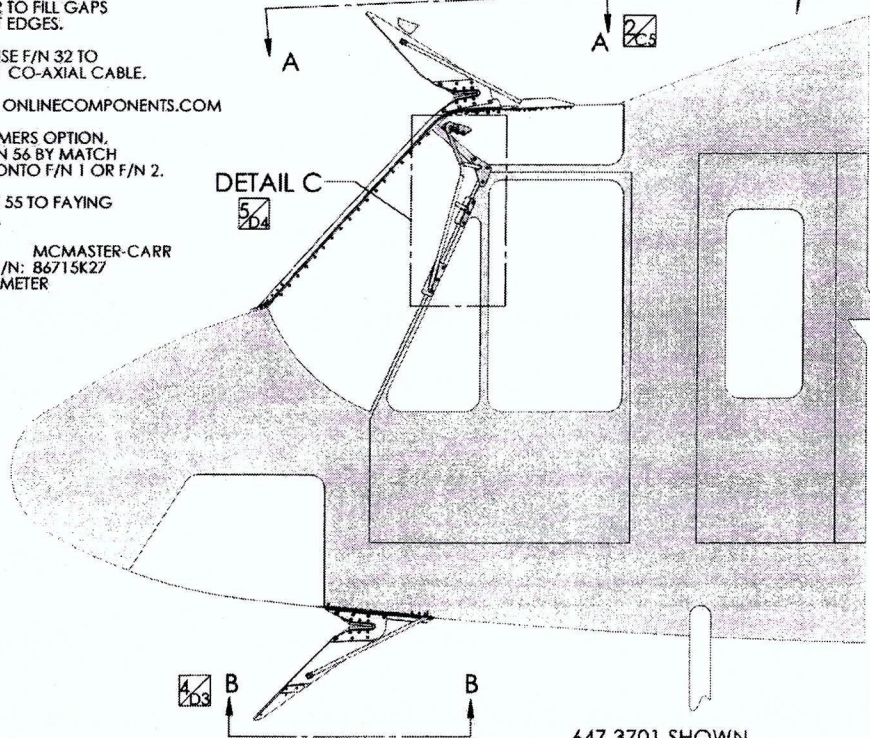
AUG 17 2016

REFERENCE ONLY

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NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.
- 2 IF REQD, USE F/N 32 TO CONNECT CO-AXIAL CABLE.
- 3 VENDOR : ONLINECOMPONENTS.COM
- 4 AT CUSTOMERS OPTION, INSTALL F/N 56 BY MATCH DRILLING ONTO F/N 1 OR F/N 2.
- 5 APPLY F/N 55 TO FAYING SURFACES.
- 6 VENDOR : MCMMASTER-CARR
VENDOR P/N: 86715K27
60A DUROMETER



647.3701 SHOWN

REF	REF	REF	REF	56	647.3701	GPS MOUNT KIT		
A/R	A/R	A/R	A/R	55	601.2045	RTV	LOCITE 598	4
A/R	A/R	A/R	A/R	54	601.1012	SEALANT	PR1125	5
1	1	1	1	53	601.3083	ADHESIVE RUBBER SEAL	MLL-6-3065	6
4	4	4	4	52	601.2957	NUTPLATE	MS2104712	
4	4	4	4	51	600.0795	NUTPLATE	MS210473	
6	6	6	6	50	601.3066	NUTPLATE	MS21047106	
6	6	6	6	49	601.3065	NUTPLATE	MS21047106	
18	18	18	18	48	601.2973	LOCKNUT	MS2104208	
79	79	79	79	47	601.2943	LOCKNUT	MS210423	
4	4	4	4	46	601.2364	CHERRY RIVET	CR3213-4-8	
28	28	42	42	45	601.1183	CHERRY RIVET	CR3213-4-5	
16	16	19	19	44	601.1915	CHERRY RIVET	CR3213-4-4	
24	24	32	32	43	601.0790	CHERRY RIVET	CR3213-4-3	
31	31	13	13	42	601.1039	CHERRY RIVET	CP3213-4-2	
3704	3703	3702	3701	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

UNINCORPORATED ECN(S)

02228, 04845, 04880

REV	DESCRIPTION	DATE	APPROVED
1	LAST PROTOTYPE REVISED PER		RJC
2	INITIAL RELEASE	09-29-09	P. BRAVO

	16	16	16	16	41	601.2207	NUTPLATE RIVET		CCR264SS-3-03	
	12	12	12	12	40	601.2491	NUTPLATE RIVET		CCR264SS-3-04	
	7	7	4	4	39	601.1066	CHERRY RIVET		CR3212-4-4	
	17	17	17	17	38	601.1065	CHERRY RIVET		CR3212-4-3	
	5	5	6	6	37	601.1604	CHERRY RIVET		CR3212-4-2	
	6	6	6	6	36	601.3082	CHERRY RIVET		CR3212-4-1	
	2	2	2	2	35	601.1874	BOLT		ANSI C12A	
	8	8	8	8	34	601.2826	BOLT		ANSI-11A	
	3	3	3	3	33	601.2823	BOLT		ANSI-4A	
	1	1	1	1	32	601.3073	CONNECTOR		D82-4443	△ △
	8	8	8	8	31	601.2419	SCREW		MS24694C53	
	1	1	1	1	30	601.3070	SCREW		MS24694-5-49	
	2	2	2	2	29	601.2893	SCREW		MS27039-08-1	
	14	14	14	14	28	601.3069	SCREW		MS27039-1-09	
	16	16	16	16	27	601.2263	SCREW		MS27039-0808	
	42	42	42	42	26	601.1365	SCREW		MS27039-1-10	
	12	12	12	12	25	601.2198	SCREW		MS27039-1-07	
	157	157	157	157	24	601.1607	WASHER		NAS114993002P	
	34	34	34	34	23	601.2764	WASHER		NAS11499N830P	
	1	1	1	1	22	647.4313	RH UPPER STRUT			
	1	1	1	1	21	647.4312	LH UPPER STRUT			
	1	1	1	1	20	647.4310	LH LOWER STRUT			
	1	1	1	1	19	647.4311	RH LOWER STRUT			
	1	1	1	1	18	647.4212	PLATE			
	1	1	1	1	17	647.4211	BRACKET RH			
	1	1	1	1	16	647.4210	BRACKET LH			
	1	1	1	1	15	647.4116	SHIM			
	2	2	2	2	14	647.4115	SHIM			
	2	2	2	2	13	647.4114	SHIM			
	1	1	1	1	12	647.4113	CLIP			
	1	1	1	1	11	647.4112	CLIP			
	1	1	1	1	10	647.4111	DOUBLER			
	1	1	1	1	9	647.4110	DOUBLER			
	1	1	1	1	8	647.4011	WIPER DEFLECTOR LH			
	1	1	1	1	7	647.4010	WIPER DEFLECTOR RH			
	1	1	1	1	6	647.3915	DEFLECTOR			
	1	1	1	1	5	647.4410	RAIL			
	1	1	1	1	4	647.3804	LOWER CUTTER ASSY HIGH			
	1	1	1	1	3	647.3803	LOWER CUTTER ASSY LOW			
	1	1	1	1	2	647.3802	212 UPPER CUTTER ASSY			
	1	1	1	1	1	647.3801	412 UPPER CUTTER ASSY			
						647.3704	204, 205, 212 CABLE CUTTERS KIT HIGH			
						647.3703	204, 205, 212 CABLE CUTTERS KIT LOW			
						647.3702	412 CABLE CUTTERS KIT HIGH			
						647.3701	412 CABLE CUTTERS KIT LOW			

QTY

NEXT ASSY (S)

PARTS LIST

ORIGINAL DATE
09-29-09
DRAWN BY
J. JACKSON
CHECKED BY
D. BARGE
DRAWING APPROVAL
P. BRAVO
09-29-09
CONTRACT NO.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES
FRACTIONS DECIMALS ANGLES
FRACTIONS DECIMALS ANGLES

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760) 724-5300
412 CABLE CUTTERS KIT
PRT. CODE: 07M26 ENG. NO. 647.3700 REV. RJC
SCALE: NONE SHEET 1 OF 5